

CLAIMS

1. A bottled liquid dispenser in which liquid is supplied from a bottle (4) to a discharge outlet (12; 16) via a reservoir (9; 14) containing a liquid space (22), wherein the reservoir is provided with thermal means (26, 37; 65),

characterised in that

the reservoir includes an inner wall (23) and an outer wall (24) defining a sealed and evacuated heat-insulating cavity (30) at least partially surrounding the liquid space.

2. A bottled liquid dispenser according to Claim 1, in which the heat-insulating cavity at least partially surrounds the sides of the liquid space.

3. A bottled liquid dispenser according to Claim 1, in which the heat-insulating cavity at least partially extends over the bottom (21) of the liquid space.

4. A bottled liquid dispenser according to Claim 1, in which the reservoir is provided with a heat-insulating bottom (21) which is isolated from the heat-insulating cavity.

5. A bottled liquid dispenser according to Claim 1, in which the reservoir is provided with a heat-insulating cap (31).

6. A bottled liquid dispenser according to Claim 1, in which the reservoir is a cooling vessel with the thermal means provided by a cooling element (26, 37).
7. A bottled liquid dispenser according to Claim 6, in which the cooling element is located in the heat-insulating cavity in contact with the inner wall.
8. A bottled liquid dispenser according to Claim 7, in which the cooling element is formed by an intermediate wall which is bonded to the inner wall to form a duct for a coolant.
9. A bottled liquid dispenser according to Claim 6, in which the cooling element is located in the liquid space.
10. A bottled liquid dispenser according to Claim 9, in which the cooling element is in contact with the inner wall.
11. A bottled liquid dispenser according to Claim 9, in which the cooling element is provided by a duct for a coolant and the inner wall is provided with a channel which receives a coolant tube connected to a lower end of the duct.
12. A bottled liquid dispenser according to Claim 11, in which the channel contains a temperature probe (40).
13. A bottled liquid dispenser according to Claim 6, in which the liquid space contains an internal wall (50) defining a space for the cooling

element.

14. A bottled liquid dispenser according to Claim 13, in which said internal wall is joined to the bottom of the reservoir.
15. A bottled liquid dispenser according to Claim 6, in which the cooling element includes a duct for a cooling medium.
16. A bottled liquid dispenser according to Claim 1, in which the reservoir is a hot tank with the thermal means provided by a heating element (65).
17. A bottled liquid dispenser according to Claim 16, in which the reservoir is provided with a heat-insulating cap and the heating element is carried by the heat-insulating cap.
18. A bottled liquid dispenser according to Claim 16, in which the heating element projects through a heat-insulating bottom of the reservoir.
19. A bottled liquid dispenser according to Claim 16, in which the thermal means is an electrical heating element.